Luke C Pilling

List of Publications by Year in Descending Order

75 papers	**3,616** citations	**26** h-index	**59** g-index
85 ext. papers	**4,898** ext. citations	**7.1** avg, IF	**5.35** L-index

#	Paper	IF	Citations
75	Statin treatment effectiveness and the SLCO1B1*5 reduced function genotype: long-term outcomes in women and men.. *British Journal of Clinical Pharmacology*, **2022**,	3.8	1
74	Biological Aging Predicts Vulnerability to COVID-19 Severity in UK Biobank Participants. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, e133-e141	6.4	5
73	Genetic associations for two biological age measures point to distinct aging phenotypes. *Aging Cell*, **2021**, 20, e13376	9.9	6
72	APOE e4 genotypes increase risk of delirium during COVID-19 related hospitalizations: evidence from a large United Kingdom cohort. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**,	6.4	1
71	Low Vitamin D Levels and Risk of Incident Delirium in 351,000 Older UK Biobank Participants. *Journal of the American Geriatrics Society*, **2021**, 69, 365-372	5.6	6
70	Genome-wide meta-analysis of muscle weakness identifies 15 susceptibility loci in older men and women. *Nature Communications*, **2021**, 12, 654	17.4	10
69	Hemochromatosis Mutations, Brain Iron Imaging, and Dementia in the UK Biobank Cohort. *Journal of Alzheimer s Disease*, **2021**, 79, 1203-1211	4.3	3
68	A genome-wide association study of the frailty index highlights brain pathways in ageing. *Aging Cell*, **2021**, 20, e13459	9.9	2
67	The Triangulation WIthin a STudy (TWIST) framework for causal inference within pharmacogenetic research. *PLoS Genetics*, **2021**, 17, e1009783	6	2
66	Analysis of genetic variants with ischaemic events in UK patients prescribed clopidogrel in primary care: a retrospective cohort study.. *BMJ Open*, **2021**, 11, e053905	3	1
65	ApoE e4e4 Genotype and Mortality With COVID-19 in UK Biobank. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 1801-1803	6.4	57
64	e2 and aging-related outcomes in 379,000 UK Biobank participants. *Aging*, **2020**, 12, 12222-12233	5.6	23
63	Blood DNA methylation sites predict death risk in a longitudinal study of 12, 300 individuals. *Aging*, **2020**, 12, 14092-14124	5.6	6
62	Genetic associations for two biological age measures point to distinct aging phenotypes **2020**,		2
61	APOE e4 Genotype Predicts Severe COVID-19 in the UK Biobank Community Cohort. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 2231-2232	6.4	177
60	COVID-19 severity is predicted by earlier evidence of accelerated aging **2020**,		17
59	The genetics of human ageing. *Nature Reviews Genetics*, **2020**, 21, 88-101	30.1	86

58	circRNAs expressed in human peripheral blood are associated with human aging phenotypes, cellular senescence and mouse lifespan. *GeroScience*, **2020**, 42, 183-199	8.9	23
57	Preexisting Comorbidities Predicting COVID-19 and Mortality in the UK Biobank Community Cohort. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 2224-2230	6.4	228
56	The relationship of parental longevity with the aging brain-results from UK Biobank. *GeroScience*, **2020**, 42, 1377-1385	8.9	0
55	Association of Hemochromatosis HFE p.C282Y Homozygosity With Hepatic Malignancy. *JAMA - Journal of the American Medical Association*, **2020**, 324, 2048-2057	27.4	10
54	Sarcopenia and Variation in the Human Leukocyte Antigen Complex. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 301-308	6.4	9
53	The Longevity-Associated SH2B3 (LNK) Genetic Variant: Selected Aging Phenotypes in 379,758 Subjects. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2020**, 75, 1656-1662	6.4	3
52	Telomere length and aging-related outcomes in humans: A Mendelian randomization study in 261,000 older participants. *Aging Cell*, **2019**, 18, e13017	9.9	32
51	Hereditary Hemochromatosis Associations with Frailty, Sarcopenia and Chronic Pain: Evidence from 200,975 Older UK Biobank Participants. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 337-342	6.4	10
50	Vitamin D levels and risk of delirium: A mendelian randomization study in the UK Biobank. *Neurology*, **2019**, 92, e1387-e1394	6.5	15
49	Impact of Low Cardiovascular Risk Profiles on Geriatric Outcomes: Evidence From 421,000 Participants in Two Cohorts. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 350-357	6.4	14
48	Blood Leukocyte DNA Methylation Predicts Risk of Future Myocardial Infarction and Coronary Heart Disease. *Circulation*, **2019**, 140, 645-657	16.7	65
47	The transcript expression levels of HNRNPM, HNRNPA0 and AKAP17A splicing factors may be predictively associated with ageing phenotypes in human peripheral blood. *Biogerontology*, **2019**, 20, 649-663	4.5	9
46	Common conditions associated with hereditary haemochromatosis genetic variants: cohort study in UK Biobank. *BMJ, The*, **2019**, 364, k5222	5.9	64
45	Clinical Outcomes of CADASIL-Associated NOTCH3 Mutations in 451,424 European Ancestry Community Volunteers. *Translational Stroke Research*, **2019**, 10, 339-341	7.8	4
44	The isoform is dysregulated in senescent endothelial cells and may be associated with prevalent and incident coronary heart disease. *Clinical Science*, **2018**, 132, 313-325	6.5	17
43	Red cell distribution width and common disease onsets in 240,477 healthy volunteers followed for up to 9 years. *PLoS ONE*, **2018**, 13, e0203504	3.7	38
42	Human longevity: 25 genetic loci associated in 389,166 UK biobank participants. *Aging*, **2017**, 9, 2504-2520	5.6	83
41	Genome-wide Association Study of Parental Life Span. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2017**, 72, 1407-1410	6.4	5

40	Red blood cell distribution width: Genetic evidence for aging pathways in 116,666 volunteers. *PLoS ONE*, **2017**, 12, e0185083	3.7	28
39	Changes in the expression of splicing factor transcripts and variations in alternative splicing are associated with lifespan in mice and humans. *Aging Cell*, **2016**, 15, 903-13	9.9	49
38	A whole-blood transcriptome meta-analysis identifies gene expression signatures of cigarette smoking. *Human Molecular Genetics*, **2016**, 25, 4611-4623	5.6	58
37	Longer-Lived Parents and Cardiovascular Outcomes: 8-Year Follow-Up In 186,000 U.K. Biobank Participants. *Journal of the American College of Cardiology*, **2016**, 68, 874-5	15.1	8
36	Peripheral Blood Transcriptomic Signatures of Fasting Glucose and Insulin Concentrations. *Diabetes* , **2016**, 65, 3794-3804	0.9	18
35	Epigenetic Signatures of Cigarette Smoking. *Circulation: Cardiovascular Genetics*, **2016**, 9, 436-447		442
34	Change in Epigenome-Wide DNA Methylation Over 9 Years and Subsequent Mortality: Results From the InCHIANTI Study. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2016**, 71, 1029-35	6.4	28
33	Human longevity is influenced by many genetic variants: evidence from 75,000 UK Biobank participants. *Aging*, **2016**, 8, 547-60	5.6	84
32	DNA methylation-based measures of biological age: meta-analysis predicting time to death. *Aging*, **2016**, 8, 1844-1865	5.6	531
31	DNA methylation signatures of chronic low-grade inflammation are associated with complex diseases. *Genome Biology*, **2016**, 17, 255	18.3	171
30	Gene transcripts associated with muscle strength: a CHARGE meta-analysis of 7,781 persons. *Physiological Genomics*, **2016**, 48, 1-11	3.6	8
29	DNA methylation of lipid-related genes affects blood lipid levels. *Circulation: Cardiovascular Genetics*, **2015**, 8, 334-42		122
28	Comparison of senescence-associated miRNAs in primary skin and lung fibroblasts. *Biogerontology*, **2015**, 16, 423-34	4.5	11
27	Changes in CEBPB expression in circulating leukocytes following eccentric elbow-flexion exercise. *Journal of Physiological Sciences*, **2015**, 65, 145-50	2.3	6
26	Gene expression markers of age-related inflammation in two human cohorts. *Experimental Gerontology*, **2015**, 70, 37-45	4.5	17
25	A meta-analysis of gene expression signatures of blood pressure and hypertension. *PLoS Genetics*, **2015**, 11, e1005035	6	83
24	The transcriptional landscape of age in human peripheral blood. *Nature Communications*, **2015**, 6, 8570	17.4	335
23	PFOA and PFOS are associated with reduced expression of the parathyroid hormone 2 receptor (PTH2R) gene in women. *Chemosphere*, **2015**, 120, 555-62	8.4	9

22	Clinical Relevance of Increased Endothelial and Mesothelial Expression of Proangiogenic Proteases and VEGFA in the Omentum of Patients with Metastatic Ovarian High-Grade Serous Carcinoma. *Translational Oncology*, **2014**, 7, 267-276.e4	4.9	16
21	Splicing factor 3B1 hypomethylation is associated with altered SF3B1 transcript expression in older humans. *Mechanisms of Ageing and Development*, **2014**, 135, 50-6	5.6	5
20	Whole blood gene expression and interleukin-6 levels. *Genomics*, **2014**, 104, 490-5	4.3	19
19	Associations between PFOA, PFOS and changes in the expression of genes involved in cholesterol metabolism in humans. *Environment International*, **2013**, 57-58, 2-10	12.9	103
18	Changes in splicing factor expression are associated with advancing age in man. *Mechanisms of Ageing and Development*, **2013**, 134, 356-66	5.6	61
17	Towards a gene expression biomarker set for human biological age. *Aging Cell*, **2013**, 12, 324-6	9.9	33
16	A genome-wide association study of depressive symptoms. *Biological Psychiatry*, **2013**, 73, 667-78	7.9	135
15	Uric acid measurement improves prediction of cardiovascular mortality in later life. *Journal of the American Geriatrics Society*, **2013**, 61, 319-26	5.6	39
14	Gene Expression Biomarkers and Longevity. *Annual Review of Gerontology and Geriatrics*, **2013**, 33, 233-258		1
13	Alzheimer pathology: should peripheral monocytes and CCR2 take center stage?. *Neurodegenerative Disease Management*, **2013**, 3, 9-12	2.8	
12	Leukocyte CCR2 expression is associated with mini-mental state examination score in older adults. *Rejuvenation Research*, **2012**, 15, 395-404	2.6	22
11	CCAAT-enhancer-binding protein-beta expression in vivo is associated with muscle strength. *Aging Cell*, **2012**, 11, 262-8	9.9	19
10	Advancing age is associated with gene expression changes resembling mTOR inhibition: evidence from two human populations. *Mechanisms of Ageing and Development*, **2012**, 133, 556-62	5.6	46
9	Genomics and successful aging: grounds for renewed optimism?. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2012**, 67, 511-9	6.4	12
8	ApoE e2 and aging-related outcomes in 379,000 UK Biobank participants		1
7	HUMAN LONGEVITY IS INFLUENCED BY MANY GENETIC VARIANTS: EVIDENCE FROM 75,000 UK BIOBANK PARTICIPANTS		4
6	A Genome-Wide Association Study of the Frailty Index Highlights Synaptic Pathways in Aging		4
5	Preexisting Comorbidities Predicting Severe Covid-19 in Older Adults in the UK Biobank Community Cohort		25